

Claims

1. An assembly (10) having information (16) to be secured, such as a coding, identification, PIN number or the like, comprising
 - an object (20) on which the information (16) to be secured is provided, and
 - a security cover sticker (18) having a base area smaller than the object (20) and covering the information (16) to be secured,
 characterized by
 - an additional layer (30, 32, 42, 46) which is disposed between the object (20) and the information (16) to be secured, and
 - which comprises an ink layer or lacquer layer (30, 34, 40) disposed directly on the object (20),
 - the adhesive power of the additional layer (30, 32, 42, 46) to the cover sticker (14) being greater at least in partial areas than the adhesive power of the additional layer (30, 32, 42, 46) to the object (20).
2. An assembly (10) according to claim 1, characterized in that the information (16) to be secured is printed on the additional layer (30, 32, 42, 46) by an ink jet process.
3. An assembly (10) according to claim 1 or 2, characterized in that the information (16) to be secured is applied to the additional layer (30, 32, 42, 46) in black.
4. An assembly (10) according to any of claims 1 to 3, characterized in that the additional layer is formed by an ink layer (30).
5. An assembly (10) according to any of claims 1 to 3, characterized in that the additional layer is formed by a multi-ply layer (32, 42, 46) and comprises at least one upper ink layer (36) and at least one lacquer layer (34) disposed between the object (20) and the upper ink layer (36) as the ink layer or lacquer layer.
6. An assembly (10) according to claim 5, characterized in that the lacquer layer is formed by a UV lacquer (34).

7. An assembly (10) according to any of claims 4 to 6, characterized in that the ink layer (30, 36) located under the information (16) to be secured is formed by a monochrome ink layer, preferably a white ink layer.
8. An assembly (10) according to any of claims 4 to 7, characterized in that the color of the ink layer (30, 36) located under the information (16) to be secured is coordinated with the color of the information (16) to be secured to produce high contrast between the information (16) to be secured and the ink layer (30, 36) located thereunder.
9. An assembly (10) according to any of claims 5 to 8, characterized in that the multi-ply layer (46) comprises a second ink layer (44) disposed between the lacquer layer (34) and the upper ink layer (36) located under the information (16) to be secured.
10. An assembly (10) according to claim 9, characterized in that the second ink layer (44) has an irregular pattern.
11. An assembly (10) according to claim 9 or 10, characterized in that the second ink layer (44) contains blind information whose character corresponds to the information (16) to be secured.
12. An assembly (10) according to any of claims 1 to 11, characterized in that the adhesive power of the additional layer (30, 32, 42, 46) to the cover sticker (14) is greater than the adhesive power of the additional layer (30, 32, 42, 46) to the object (20).
13. An assembly (10) according to any of claims 1 to 11, characterized in that the adhesive power of the additional layer (30, 32, 42, 46) to the cover sticker (14) is greater than the adhesive power of the additional layer to the object (20) in first areas, and the adhesive power of the additional layer (30, 32, 42, 46) to the cover sticker (14) is smaller than the adhesive power of the additional layer (30, 32, 42, 46) to the object (20) in second areas.

14. An assembly (10) according to claim 13, characterized in that the first and second areas form a fine-scale structure.
15. An assembly (10) according to claim 13 or 14, characterized in that the first and second areas form an irregular structure.
16. An assembly (10) according to any of claims 13 to 15, characterized in that the size and shape of the first and second areas are coordinated with the information (16) to be secured such that it is no longer decipherable after removal of the cover sticker (14).
17. An assembly (10) according to any of claims 13 to 16, characterized in that the additional layer (42) has means (38, 40) for locally different adjustment of adhesive power.
18. An assembly (10) according to claim 17, characterized in that the means for locally different adjustment of adhesive power comprise a non-stick lacquer (38) applied to the object (20) locally between the information (16) to be secured and the object (20).
19. An assembly (10) according to claim 17 or 18, characterized in that the means for locally different adjustment of adhesive power comprise an adhesion promoter (40) applied to the object (20) locally between the information to be secured and the object (20).
20. An assembly (10) according to any of claims 17 to 19, characterized in that the means (38, 40) for locally different adjustment of adhesive power are applied to the object (20) by printing.
21. An assembly (10) according to any of claims 1 to 20, characterized in that the additional layer (30, 32, 42, 46) is printed on the object (20).
22. An assembly (10) according to claim 21, characterized in that the additional layer (30, 32, 42, 46) is printed on the object (20) by the offset process.

23. An assembly (10) according to any of claims 1 to 22, characterized in that the information (16) to be secured is a character string, in particular a secret number or PIN number.
24. An assembly (10) according to any of claims 1 to 23, characterized in that the assembly (10) is a value document, in particular a bank card, credit card, prepaid stored-value card such as a phonecard, or lottery ticket.
25. An assembly (10) according to any of claims 1 to 24, characterized in that the cover sticker is an adhesive label, in particular a scratch label (14).
26. An assembly (10) according to any of claims 1 to 25, characterized in that the additional layer (30, 32, 42, 46) is formed on the object (20) in the size of an information field (12) comprising the information (16) to be secured.
27. An assembly (10) according to any of claims 1 to 26, characterized in that the cover sticker (14) has a greater base area than the additional layer.
28. A method for producing an assembly (10) with information (16) to be secured, such as a coding, identification, PIN number or the like, characterized by the following steps:
 - a) supplying an object (20) to be provided with the information,
 - b) applying an additional layer (30, 32, 42, 46) to the object (20) with a first, uniform or locally different adhesive power to the object (20), the additional layer comprising an ink layer or lacquer layer (30, 34, 40) disposed directly on the object (20),
 - c) applying the information (16) to be secured to the additional layer (30, 32, 42, 46), and
 - d) covering the information (16) to be secured with a security cover sticker (14) having a smaller base area than the object (20) and a second adhesive power to the additional layer (30, 32, 42, 46), the second adhesive power

being greater at least in partial areas than the first adhesive power of the additional layer (30, 32, 42, 46) to the object (20).

29. A method according to claim 28, characterized in that an ink layer is applied as the additional layer in step b).
30. A method according to claim 28, characterized in that in step b)
 - b1) a lacquer layer which adjusts the adhesive power of the additional layer to the object is applied to the object as the ink layer or lacquer layer, and
 - b2) an ink layer is applied to the lacquer layer.
31. A method according to claim 30, characterized in that in a step
 - b3) a further ink layer with another color and/or another pattern is applied to the ink layer present.
32. A method according to any of claims 28 to 31, characterized in that in step b) means for locally different adjustment of adhesive power are applied to the object, in particular a non-stick lacquer and/or an adhesion promoter is applied locally to the object.
33. A method according to any of claims 28 to 32, characterized in that the layers applied in step b) are printed on, preferably printed by the offset process.
34. A method according to any of claims 28 to 33, characterized in that the information to be secured is printed on the additional layer by an ink jet process in step c).
35. A method according to any of claims 28 to 34, characterized in that the additional layer is applied to the object in the size of an information field comprising the information to be secured.
36. A method according to any of claims 28 to 35, characterized in that the cover sticker is selected so as to have a greater base area than the additional layer.